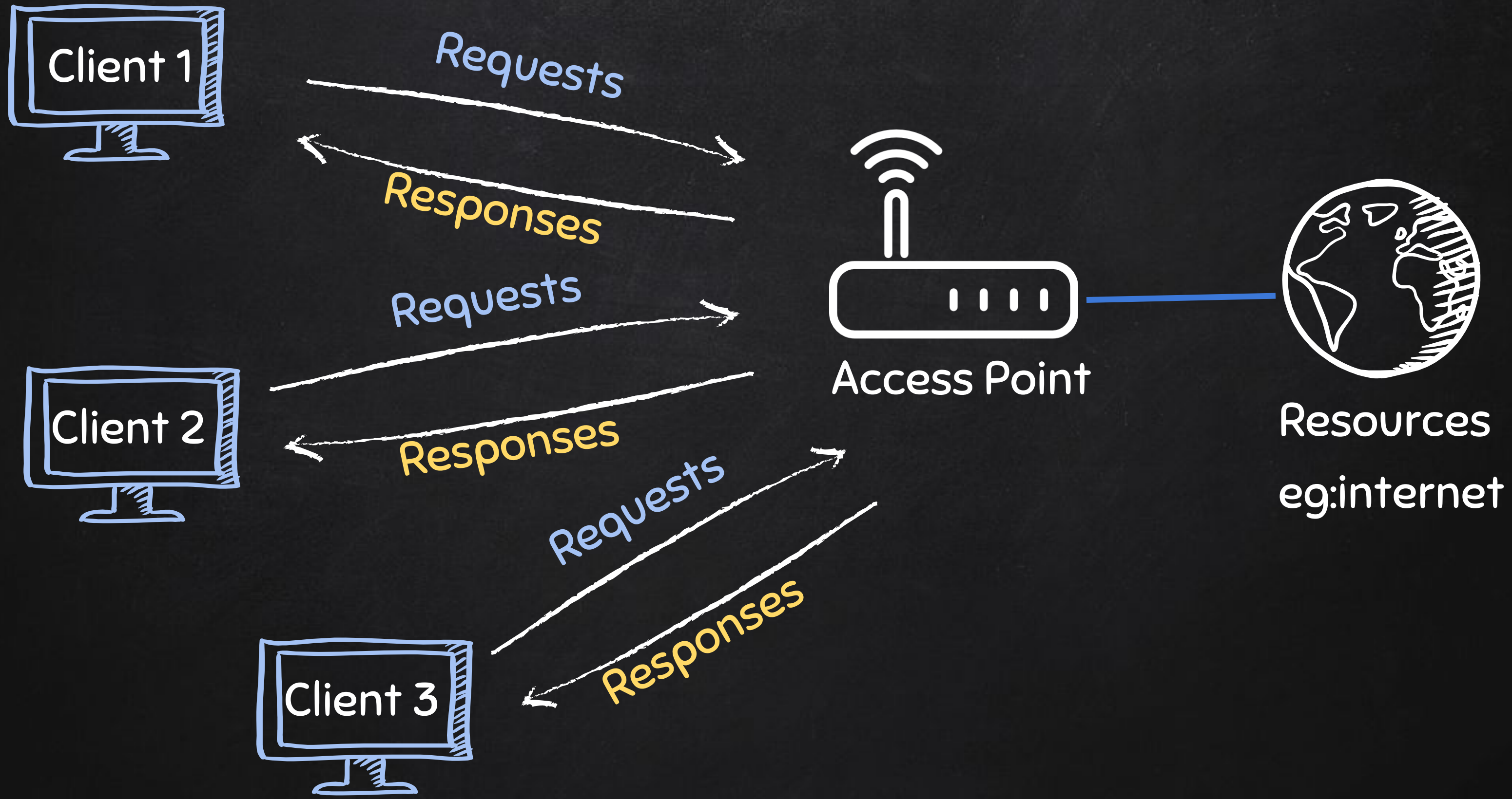
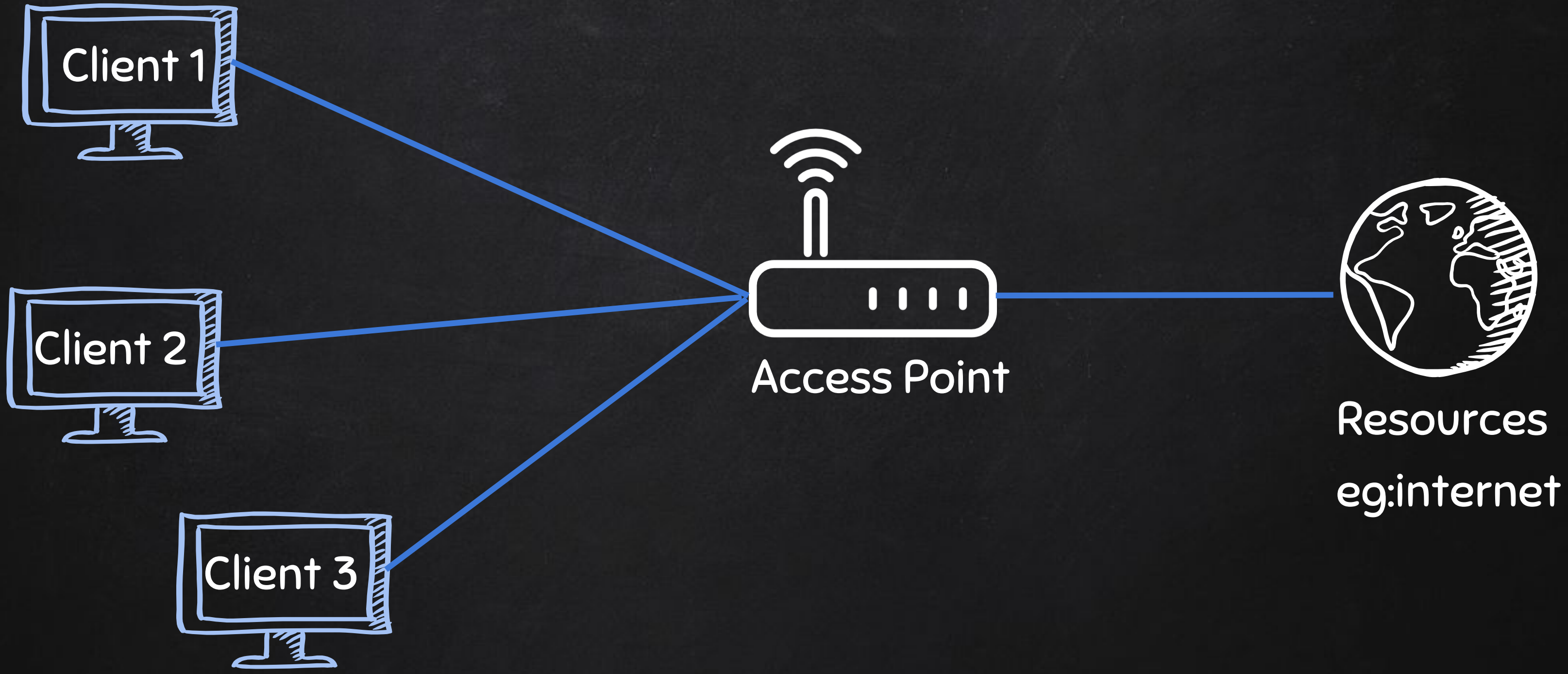
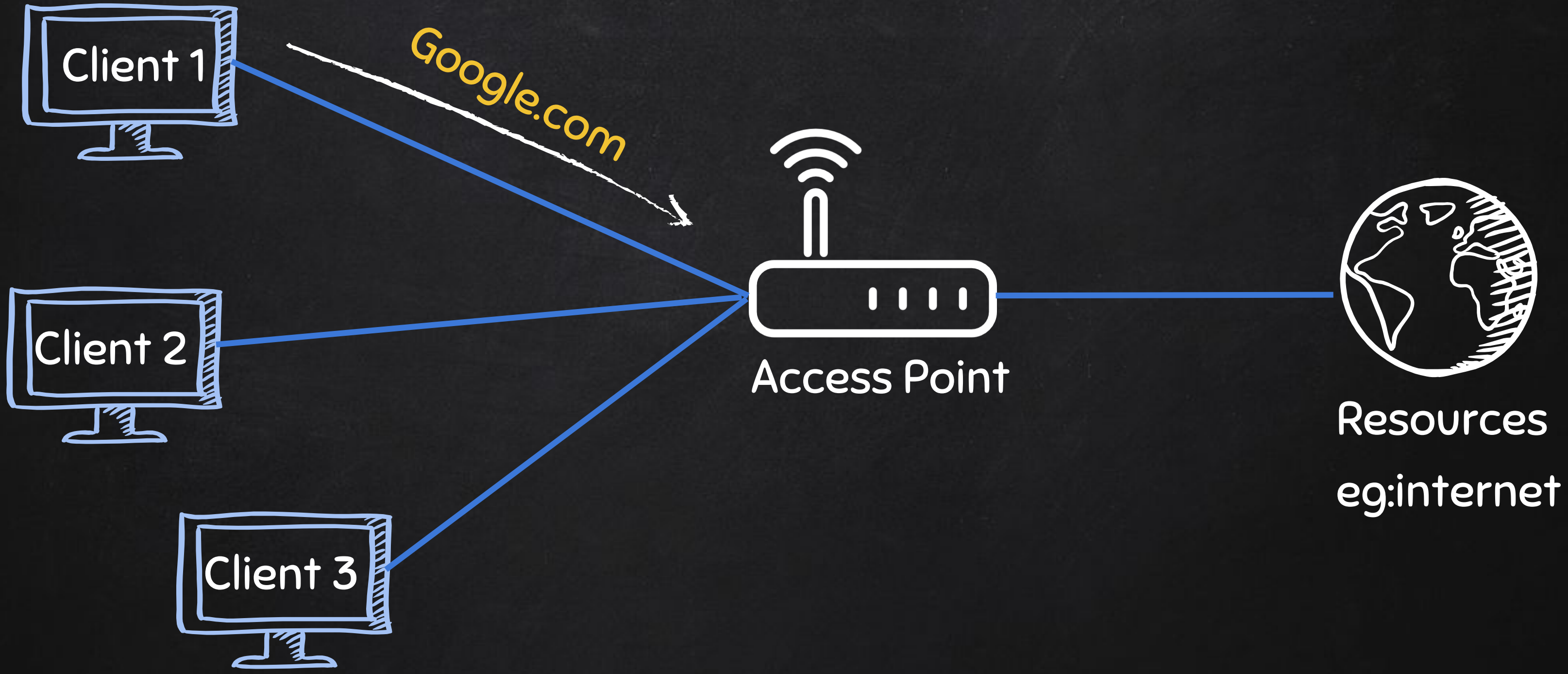
Typical Network



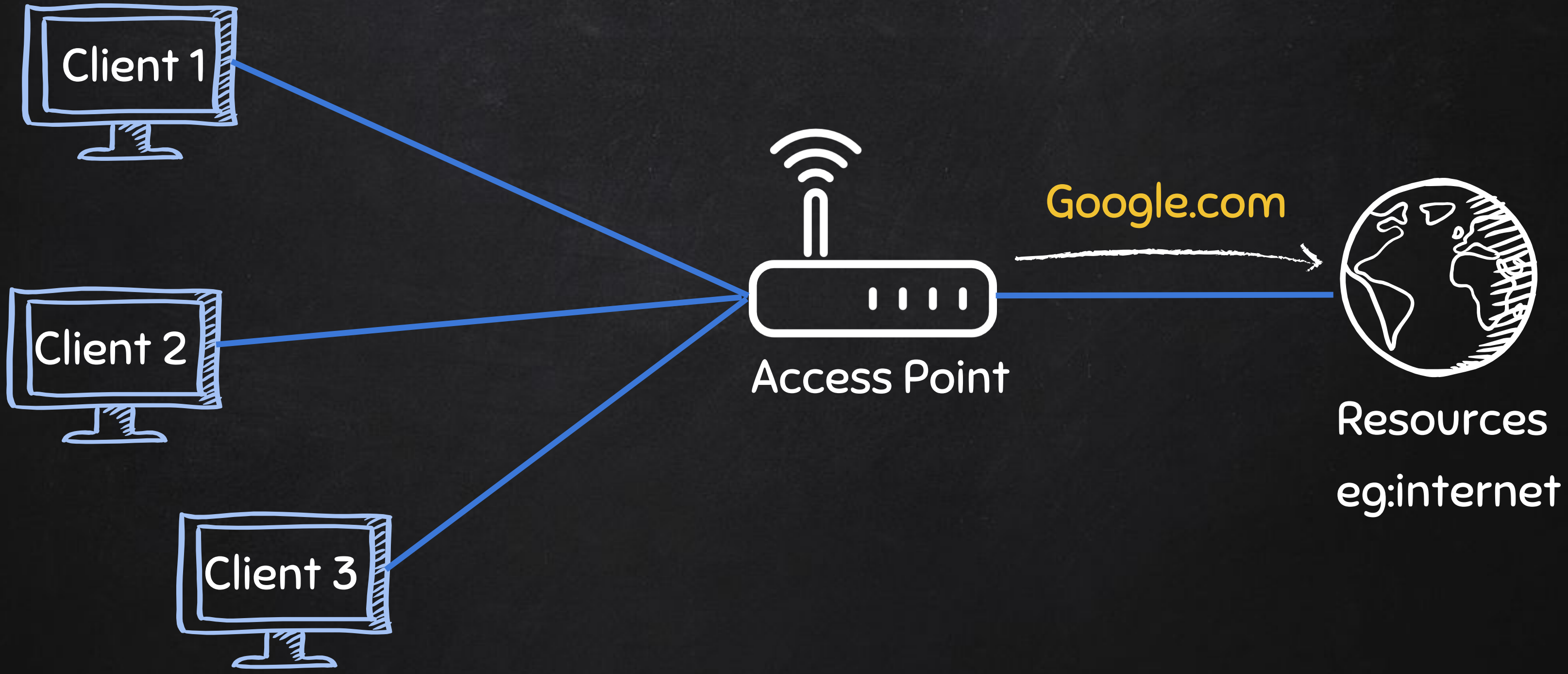
Typical Network



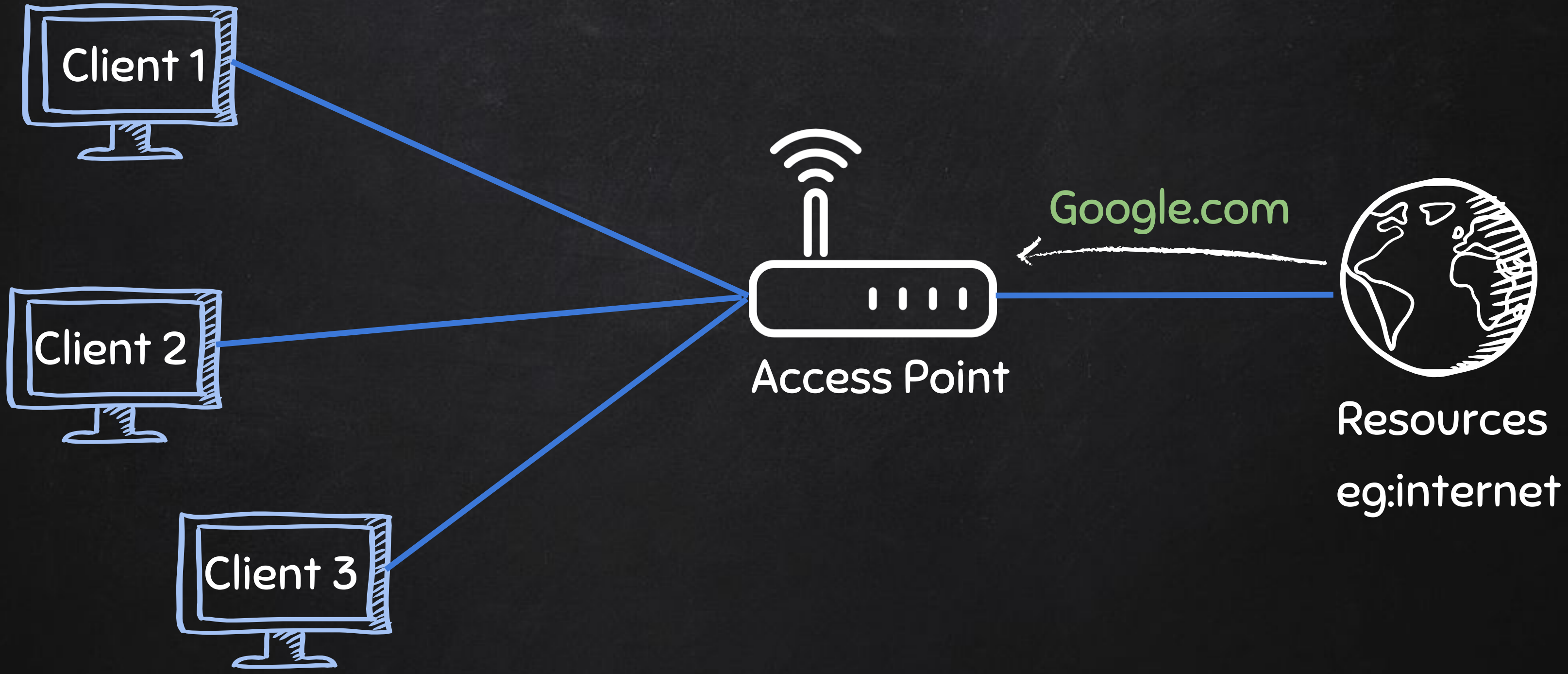
Typical Network



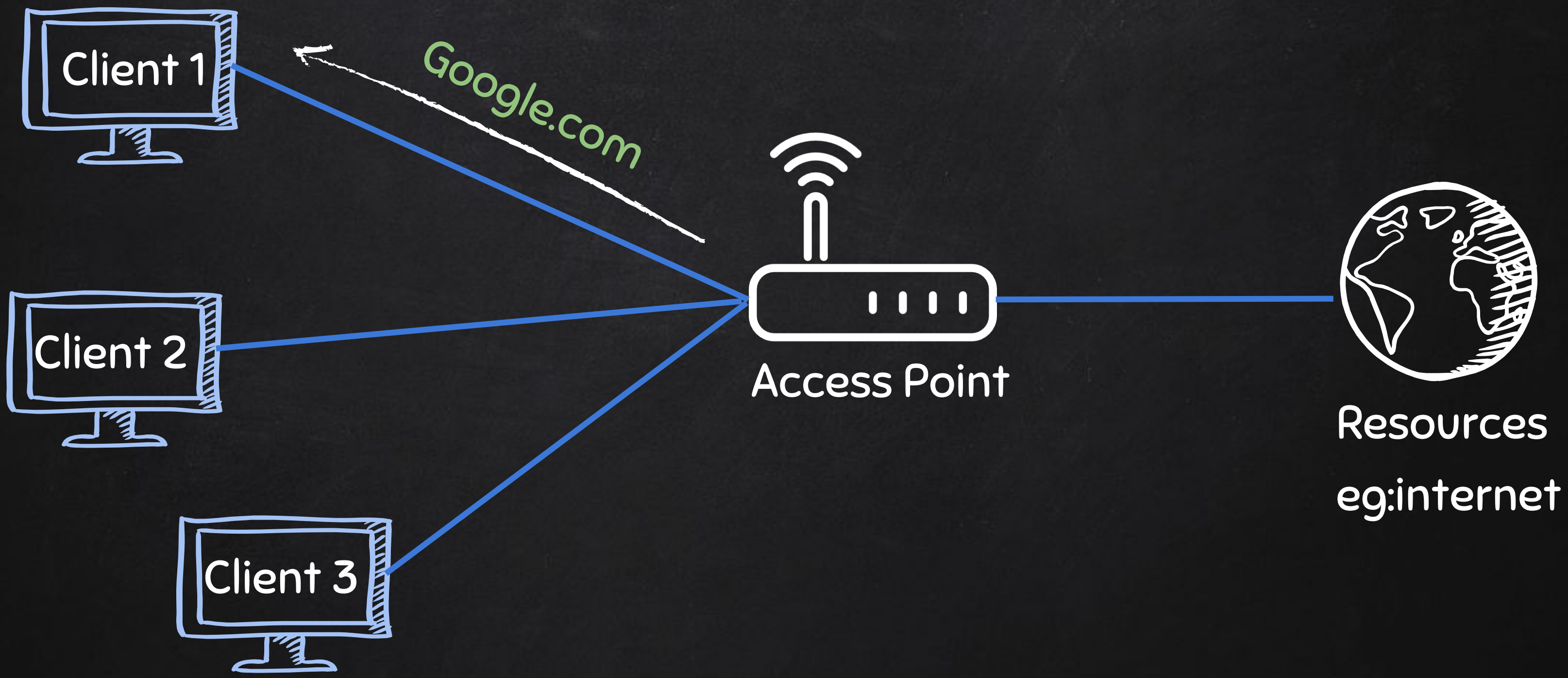
Typical Network



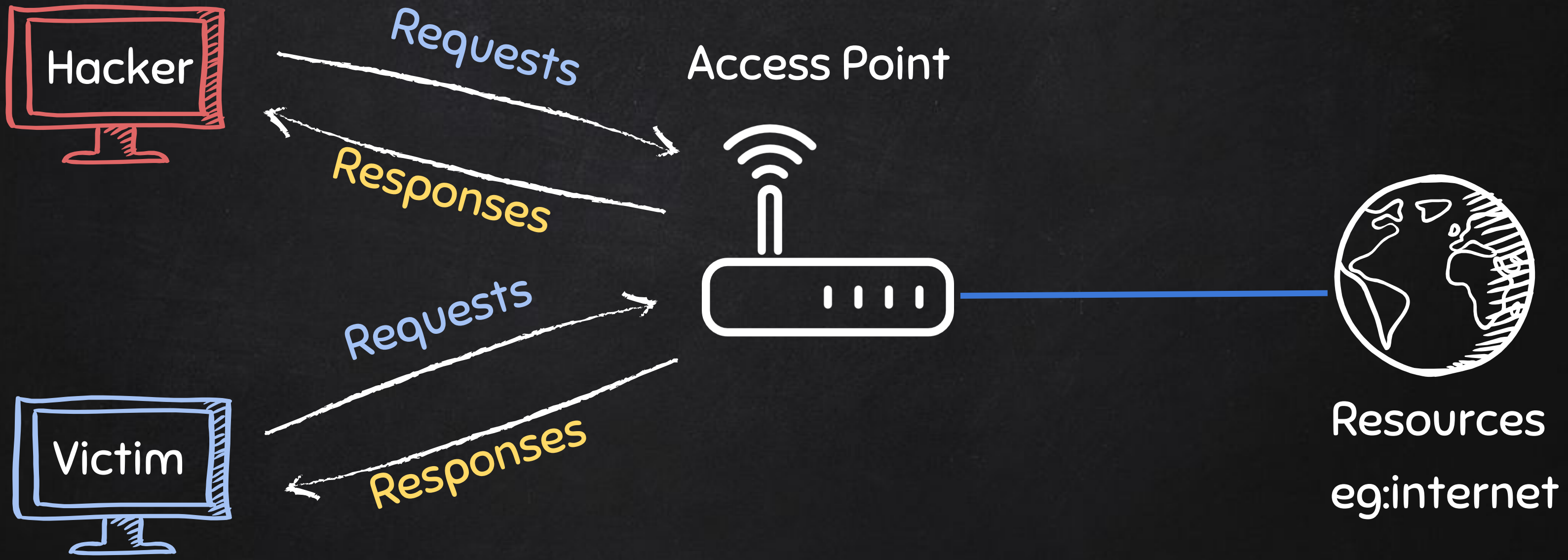
Typical Network



Typical Network

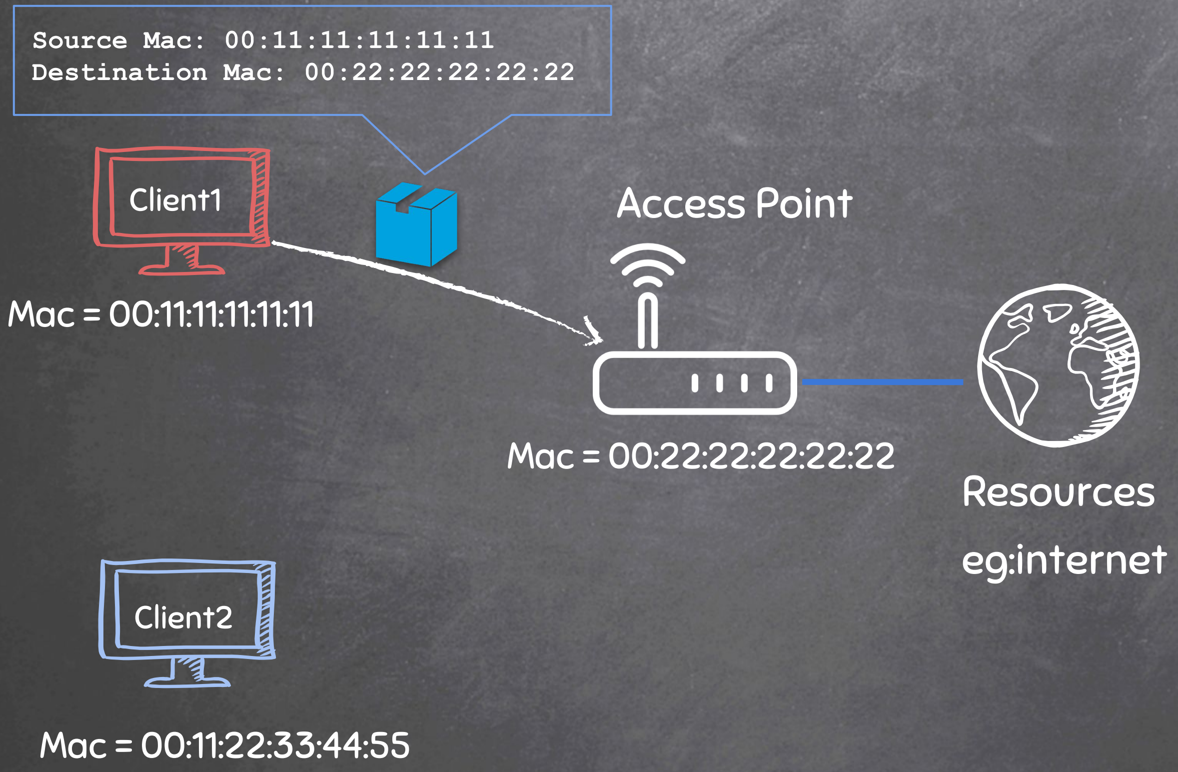


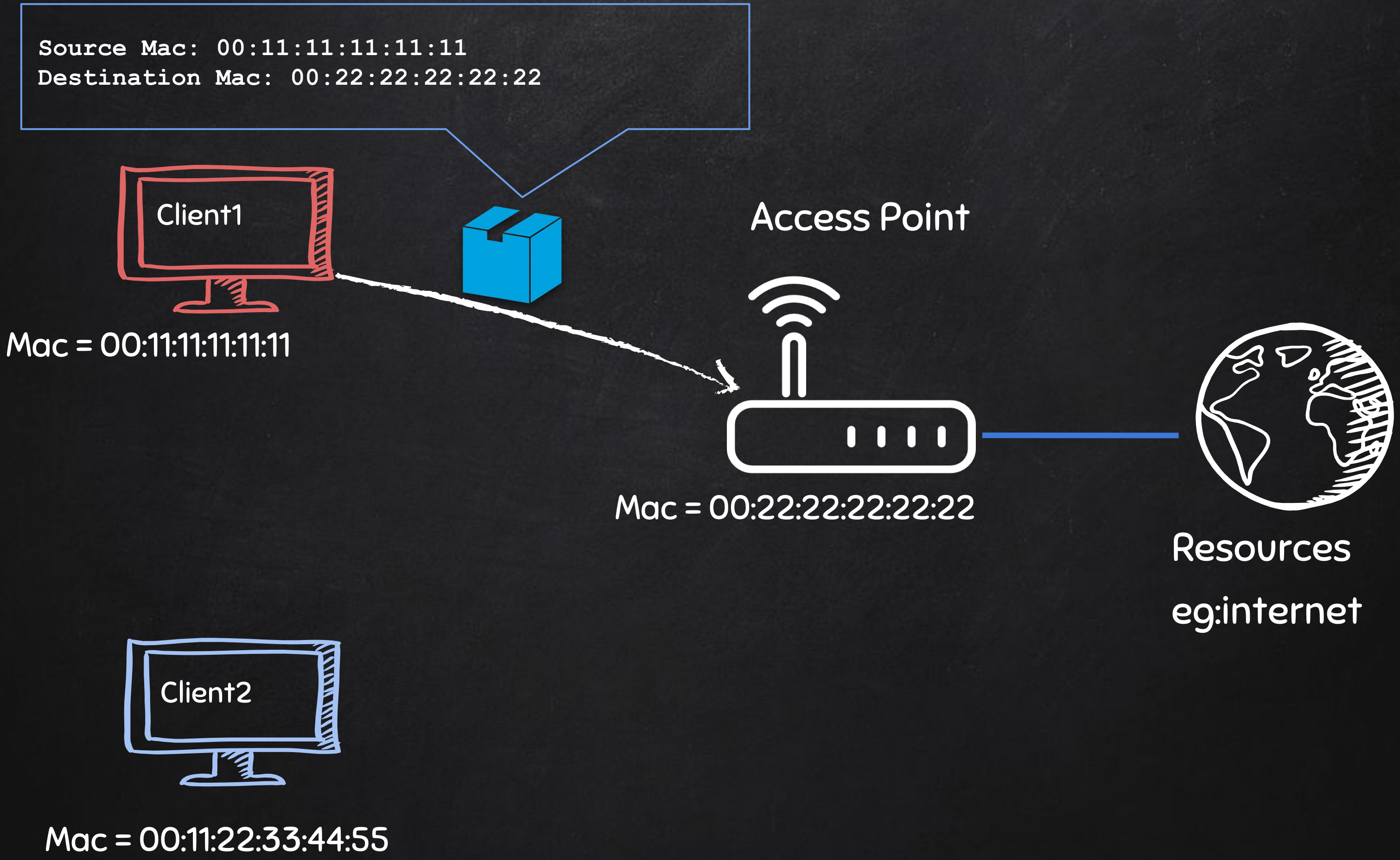
Typical Network



Why change the MAC Address?

1. Increase anonymity.
2. Impersonate other devices.
3. Bypass filters.


Source Mac: 00:11:11:11:11:11
Destination Mac: 00:22:22:22:22:22
Client1
Mac = 00:11:11:11:11:11
Access Point
Mac = 00:22:22:22:22:22
Resources
eg:internet
Client2
Mac = 00:11:22:33:44:55


Source Mac: 00:11:11:11:11:11
Destination Mac: 00:22:22:22:22:22
Client1
Mac = 00:11:11:11:11:11
Access Point
Mac = 00:22:22:22:22:22
Resources
eg:internet
Client2
Mac = 00:11:22:33:44:55

Packet Sniffing

Using Airodump-ng

- Part of the aircrack-ng suit.
- Airodump-ng is a packet sniffer;
- Used to capture all packets within range.
- Display detailed info about networks around us.
- Connected clients ....etc

use:

airodump-ng [MonitorModeInterface]



Packet Sniffing

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use:

airodump-ng [MonitorModeInterface]

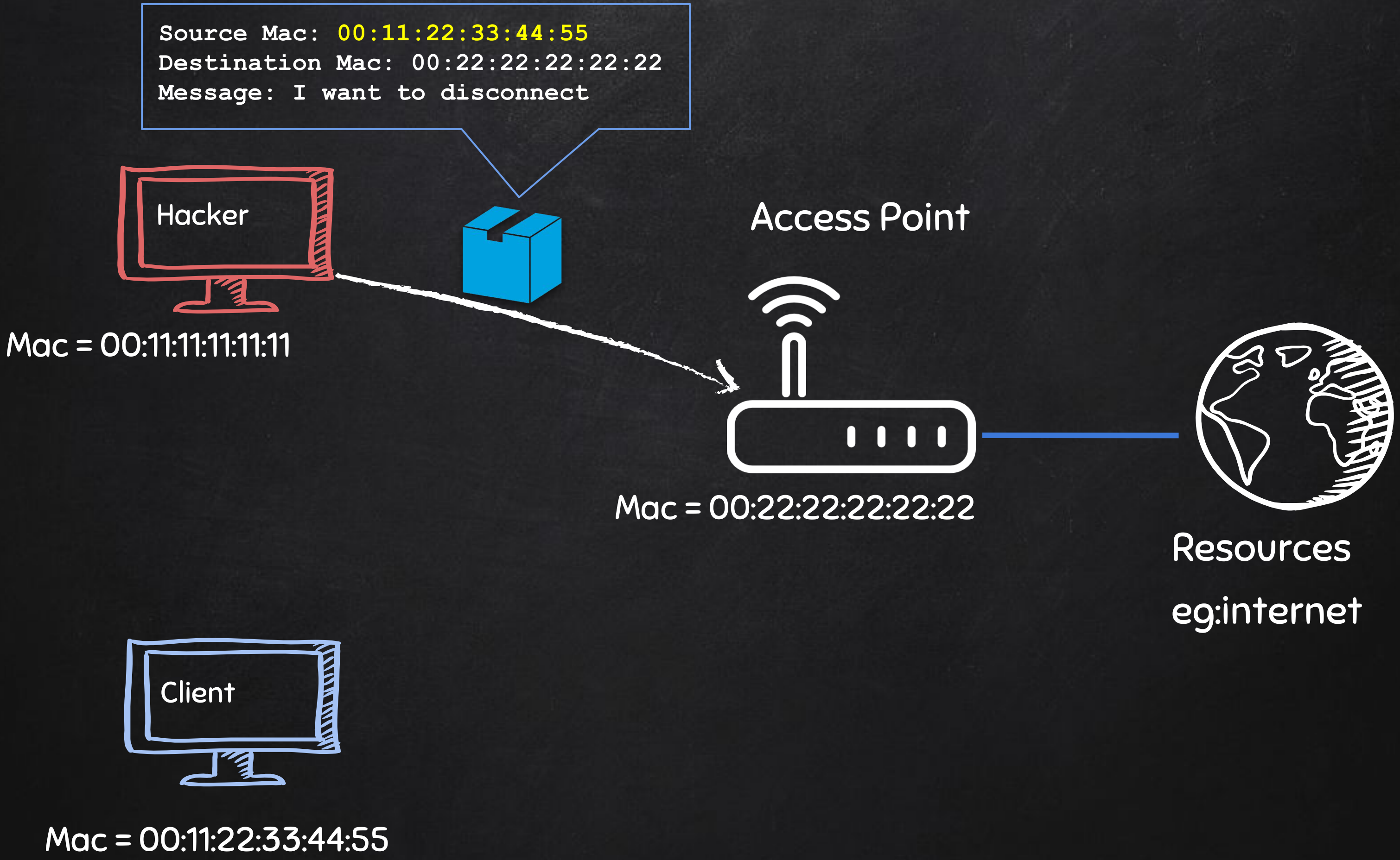
Deauthentication Attack

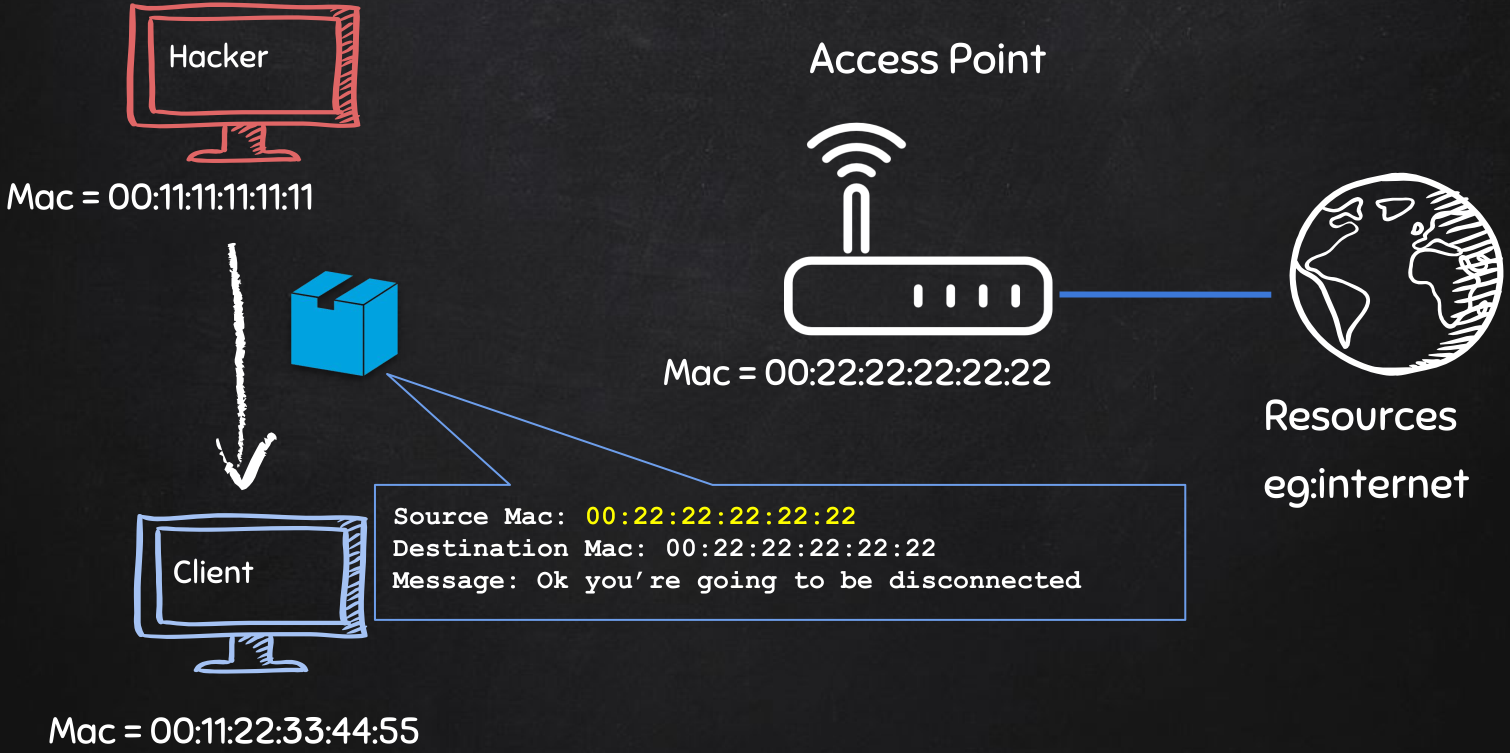
→ Disconnect any client from any network

- Works on encrypted networks (WEP, WPA & WPA2).
- No need to know the network key.
- No need to connect to the network.

use:

```
aireplay-ng --deauth [#DeauthPackets] -a [NetworkMac] -c [TargetMac] [Interface]
```


Source Mac: 00:11:22:33:44:55
Destination Mac: 00:22:22:22:22:22
Message: I want to disconnect
Hacker
Mac = 00:11:11:11:11:11
Access Point
Mac = 00:22:22:22:22:22
Resources
eg:internet
Client
Mac = 00:11:22:33:44:55


Hacker
Mac = 00:11:11:11:11:11
Access Point
Mac = 00:22:22:22:22:22
Resources
eg:internet
Source Mac: 00:22:22:22:22:22
Destination Mac: 00:22:22:22:22:22
Message: Ok you're going to be disconnected
Client
Mac = 00:11:22:33:44:55